

Abstract of the Disclosure:

Integration of packet/cell networking of a wired/wireless network with ATM is achieved by application of a distributed architecture including an ATM network adapted to provide such integration. Network and protocol conversion between the wired/wireless network and the ATM network is performed by a gateway (GAGW) having capabilities to perform this function. A mobility server platform (MSP) handles routing between the gateways to other networks and the micro-mobility functions of the wireless base stations directly connected to the ATM network. A Inter-working function (IWF) element connects base stations (BS) or mobile switching centers (MSC) to ATM switch/routers and in the process provides various protocol conversions necessary to integrate various services into the ATM backbone. The integration of these networks is seamless with little apparent affect on the end point users of the ATM network on the overall system.